### **PATENT** IN THE UNITED STATES PATENT AND TRADEMARK OFFICE pplication **CODING SCHEME FOR A** No. 09/776,073 For: WIRELESS COMMUNICATION **SYSTEM** LING, Fuyun **Examiner: VARTANIAN, Harry** Filed: February 1, 2001 **Group No.:** 2634 LETTER TO OFFICIAL DRAFTSPERSON Attention: Official Draftsperson Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 Official Draftsperson: Pursuant to MPEP § 608.02(r), applicant submits herewith 10 Sheets of formal drawings including one (1) sheet of proposed drawing corrections, showing FIG. 1 marked in red ink. Approval of the drawings is herewith respectfully requested. **CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))** I hereby certify that this correspondence is, on the date shown below, being: **MAILING FACSIMILE** deposited with the United States Postal Service transmitted by facsimile to the Patent and with sufficient postage as first class mail, in an Trademark Office. envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. Depositor's Name: Carola Emelius-Swartz Depositor's Name: (type or print name) (type or print name) Date: 7/19/2004 Date: Signature: Respectfully submitted,

Dated: 7/19/2004

Sandra L. Godsey, Reg. No. 42,589

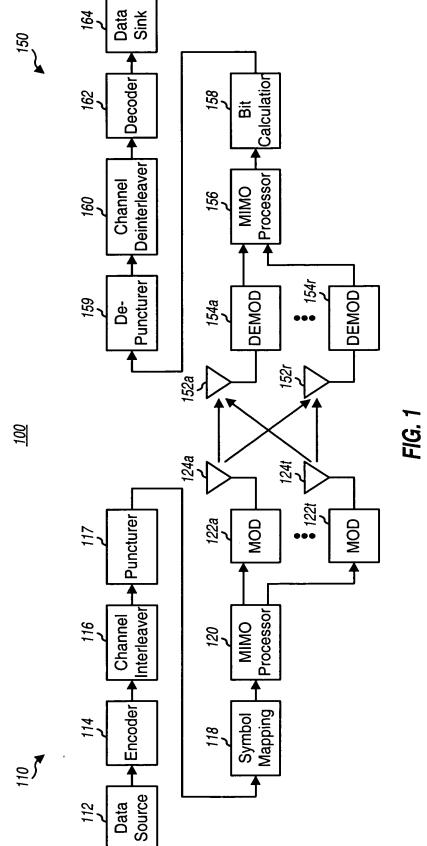
858-651-4517

QUALCOMM Incorporated 5775 Morehouse Drive San Diego, California 92121 Telephone: (858) 651-4125 Facsimile: (858) 658-2502



3

## REPLACEMENT Sheet 1/10

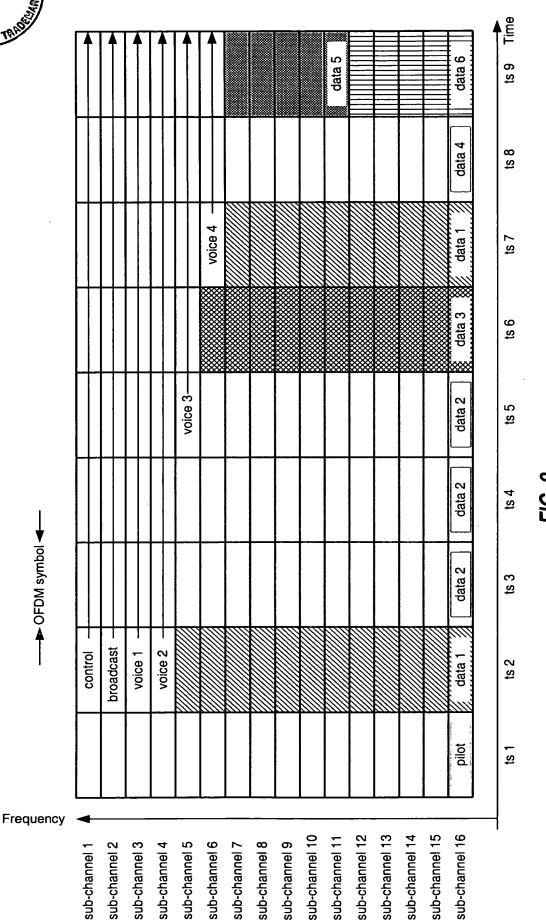




OFDM symbol ←

010096; LING et al.

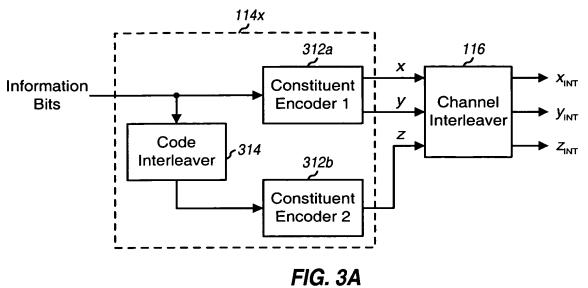
# Sheet 2/10







3

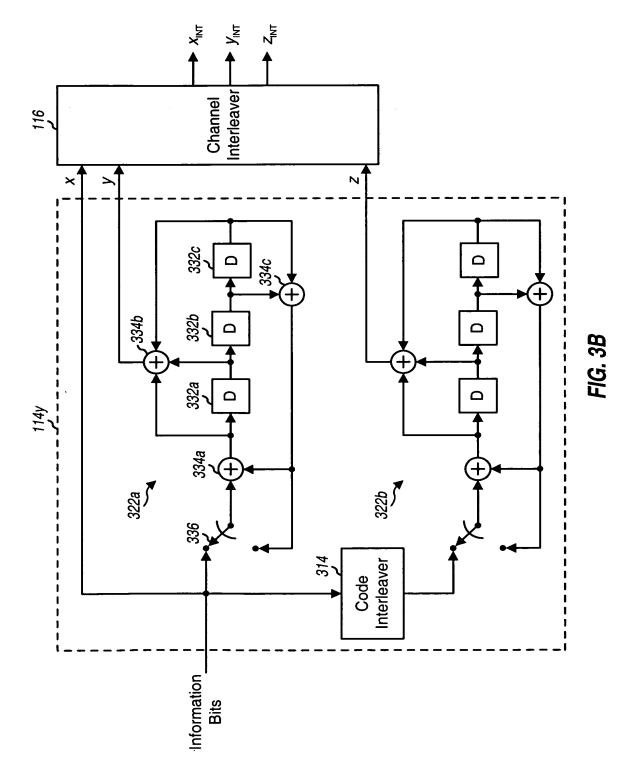


117x 346  $X_{\text{INT}}$ Unpunctured 2 x 1 342 344  $y_{\mathsf{INT}}$ 343 ر Coded Bits MUX  $Z_{\rm INT}$ 348 **Toggle** 352 356 Modulo Decision Counter Unit Reset 354 358 Increment =(Q-1)Counter 100

FIG. 3C



## Sheet 4/10



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## 010096; LING et al.

#### Sheet 5/10

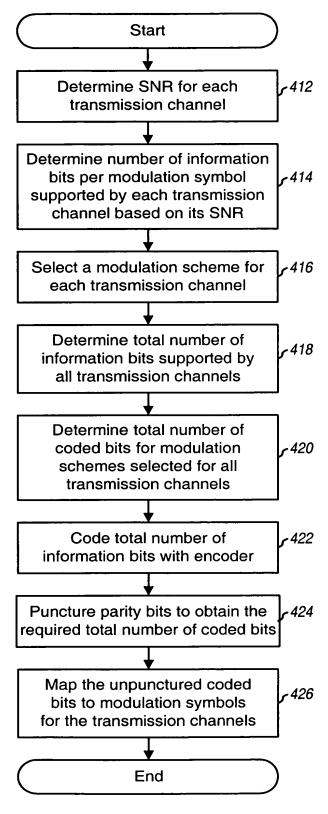


FIG. 4A



### 010096; LING et al.

#### Sheet 6/10

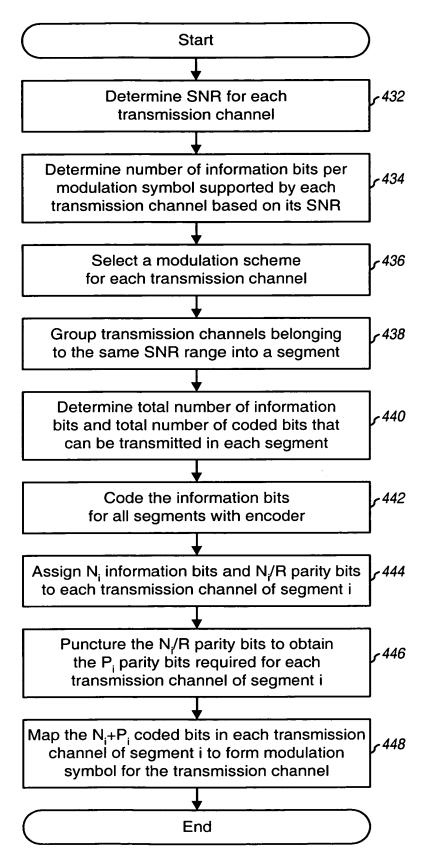


FIG. 4B



0010	0110	<b>●</b> 1110	1010	
0011	0111 • 512	1111	1011	FIG. 5
000	0101	1101	1001	FIG
0000	0100	1100	1000	



010096; LING et al.

## Sheet 8/10

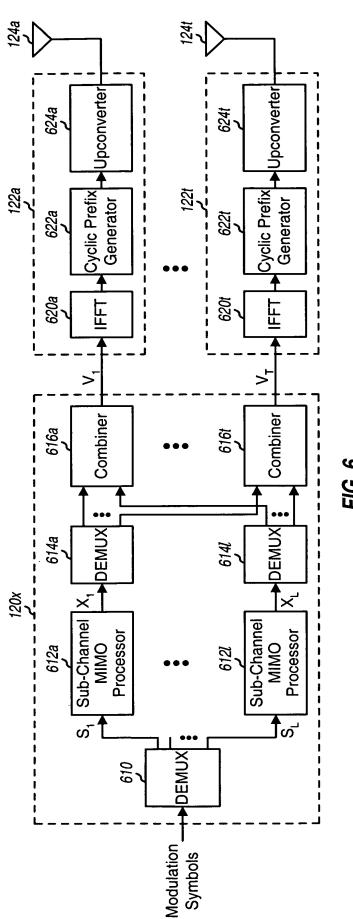
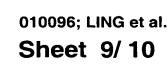
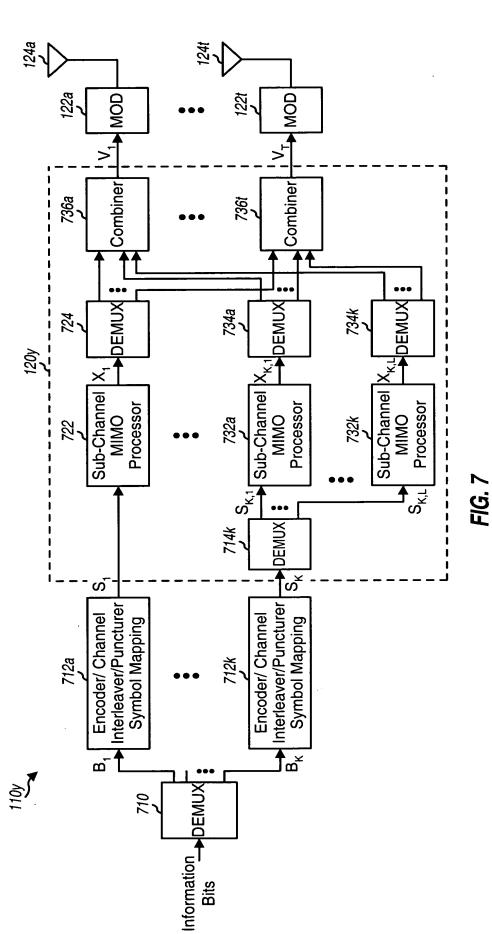


FIG. 6











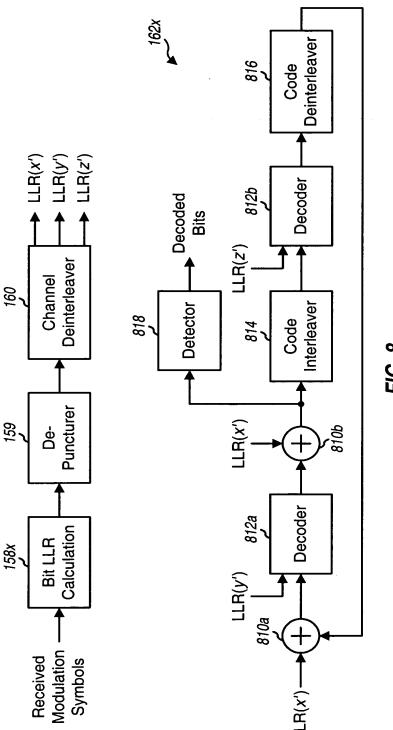


FIG. 8